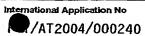
## **INTERNATIONAL SEARCH REPORT**



			1-17 A1 20047 000240						
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H03K5/1536 H02M1/08									
According to International Patent Classification (IPC) or to both national classification and IPC									
B. FIELDS	SEARCHED								
Minimum documentation searched (classification system tollowed by classification symbols)  IPC 7 H03K H02M									
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched									
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  EPO-Internal, WPI Data, PAJ, IBM-TDB									
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to daim No.						
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25, 12 April 2001 (2001-04-12) & JP 2001 218450 A (RICOH CO LTD) 10 August 2001 (2001-08-10)	),	1-4,6-8						
Υ	abstract; figure 3		5						
Υ	US 4 229 669 A (SMITH GERALD L) 21 October 1980 (1980-10-21) column 4, lines 1,2; figure 2		5						
-		•							
	ner documents are listed in the continuation of box C.	X Palent family	members are listed in annex.						
"A" docume consid "E" earlier diffing d "L" docume which i citation "O" docume other n "P" docume later th	ant defining the general state of the art which is not be of particular relevance to under the properties of the art which is not becoment but published on or after the international attent which may throw doubts on priority daim(s) or is cited to establish the publication date of another no or other special reason (as specified) and referring to an oral disclosure, use, exhibition or means art published prior to the international filing date but that the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "8" document member of the same patent family							
Date of the actual completion of the international search  2 November 2004  Date of mailing of the international search report  09/11/2004									
	NOVELIDE 2004	09/11/2	.004						
Name and n	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer	,						

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International Application No AT2004/000240

1	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JI	2001218450	Α	10-08-2001	NONE		
U	5 4229669	A	21-10-1980	CA DE JP	1117611 A1 2910852 A1 54136250 A	02-02-1982 04-10-1979 23-10-1979